

WHAT IS CLAIMED IS:

1. A portable device comprising:

a memory configured to store digital data;

a first output unit configured to provide an
5 output in accordance with a reproduction signal
obtained by subjecting the digital data to reproduction
processing;

a second output unit configured to provide
an output in accordance with incidental data obtained
10 by subjecting the digital data to the reproduction
processing;

a central control unit configured to execute
control operations other than the reproduction
processing; and

15 a dedicated unit configured to generate the
reproduction signal and the incidental data by
receiving the digital data from the memory and
executing the reproduction processing with respect to
the digital data, the dedicated unit supplying the
20 reproduction signal and the incidental data to the
first and second output units, respectively.

2. The portable device according to claim 1,
wherein:

said digital data is music data;

25 said first output unit receives an acoustic signal
as said reproduction signal and performs audio output
in accordance with the acoustic signal; and

said dedicated unit generates the acoustic signal from the music data acquired from the memory, and supplies the generated acoustic signal to the first output unit.

5 3. The portable device according to claim 1, wherein:

 said digital data is music data;

 said second output unit receives vibration intensity data as the incidental data and provides vibration in accordance with the vibration intensity data; and

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 said dedicated unit measures a volume level of the music data acquired from the memory, generates vibration intensity data corresponding to the volume level, and supplies generated vibration intensity data to the second output unit.

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 4. The portable device according to claim 1, wherein:

 said digital data is music data;

 said second output unit receives display data as said incidental data and performs display output in accordance with the display data; and

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 said dedicated unit measures a volume level of the music data acquired from the memory, generates display data used for displaying the volume level, and supplies generated display data to the second output unit.

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 5. The portable device according to claim 1,

wherein:

said digital data is music data;

said second output unit receives display data as
said incidental data and performs display output in
5 accordance with the display data; and

said dedicated unit measures a frequency component
of the music data acquired from the memory, generates
display data used for displaying the frequency
component, and supplies generated display data to the
10 second output unit.

6. The portable device according to claim 1,
wherein:

said dedicated unit includes table information
which associates the incidental information with
15 characteristic data indicating characteristics of the
reproduction signal; and

said dedicated unit acquires characteristic data
by measuring the characteristics of the reproduction
signal, acquires incidental data corresponding to
20 the characteristic data by referring to the table
information, and supplies acquired incidental data to
the second output unit.

7. The portable device according to claim 1,
wherein said central control unit reads the digital
25 data from the memory and sends the digital data to the
dedicated unit.

8. The portable device according to claim 1,

wherein said dedicated unit reads and receives the digital data from the memory in accordance with an instruction supplied from the central control unit.

9. A portable device comprising:

5 a memory configured to store digital data;
 a first output unit configured to provide an output in accordance with a reproduction signal obtained by subjecting the digital data to reproduction processing;

10 a central control unit configured to execute control operations other than the reproduction processing;

 a second output unit configured to provide an output in accordance with an incidental data signal
15 obtained by subjecting the digital data to the reproduction processing or a control signal output from the central control unit;

 a dedicated unit configured to generate the reproduction signal and the incidental data signal
20 by receiving the digital data from the memory and executing the reproduction processing with respect to the digital data, the dedicated unit supplying the reproduction signal to the first output unit; and

 a selector which selects one of the incidental
25 data signal output from the dedicated unit and the control signal supplied from the central control unit, and supplies a selected signal to the second output

unit.

10. The portable device according to claim 9,
wherein said selector selects the incidental data
signal from the dedicated unit in accordance with a
5 selection signal which the central control unit outputs
when the reproduction processing is being executed with
respect to the digital data, and supplies the selected
signal to the second output unit.

11. The portable device according to claim 9,
10 wherein:

said digital data is music data;

said first output unit receives an acoustic signal
as said reproduction signal and performs audio output
in accordance with the acoustic signal;

15 said second output unit provides a vibration
output in accordance with one of the incidental data
signal and the control signal;

said dedicated unit performs a music reproduction
operation by generating the acoustic signal from the
20 music data acquired from the memory and by supplying
the generated acoustic signal to the first output
unit, measures a volume level of the music data, and
generates a vibration intensity signal corresponding to
the volume level as said incidental data signal; and

25 said selector selects the incidental data signal
from the dedicated unit in accordance with a selection
signal which the central control unit outputs when the

music reproduction operation is being executed, and supplies the selected signal to the second output unit.

12. The portable device according to claim 11, further comprising a radio communication unit
5 configured to perform radio communications under control by the central control unit,

wherein the central control unit outputs the control signal for controlling an output operation when the radio communication unit performs radio communica-
10 tions, and the selection signal for controlling the selector, and

the selector selects the control signal in accordance with the selection signal output from the central control unit, and supplies the selected control
15 signal to the second output unit.

13. The portable device according to claim 9, wherein:

said dedicated unit includes table information which associates the incidental data with character-
20 istic data indicating characteristics of the reproduction signal; and

said dedicated unit acquires characteristic data by measuring the characteristics of the reproduction signal, acquires incidental data corresponding to
25 the characteristic data by referring to the table information, converts the incidental data to the incidental data signal, and supplies the incidental

data signal to the selector.

14. The portable device according to claim 9,
wherein:

5 said central control unit reads the digital data
out of the memory when the digital data is subjected to
reproduction processing, and supplies readout digital
data to the dedicated unit; and

10 the selection signal used for selecting the
incidental data signal output from the dedicated unit
is supplied to the selector.

15. The portable device according to claim 9,
wherein:

15 the central control unit activates the dedicated
unit when the digital data is subjected to the
reproduction processing, selects the selection signal
used for selecting the incidental data signal output
from the dedicated unit, and supplies the selected
selection signal to the selector; and

20 the dedicated unit reads the digital data out of
the memory and executes reproduction processing with
respect to the readout digital data.

25 16. The portable device according to claim 9,
further comprising a radio communication unit that
serves as a portable telephone function operating under
control by the central control unit,

 wherein said second output unit provides
a vibration output in accordance with one of the

incidental data signal and the control signal,

said central control unit outputs the control signal used for controlling a notification operation performed when an incoming signal is received;

5 said dedicated unit performs a music reproduction operation based on the digital data acquired from the memory, and generates the incidental data signal corresponding to the volume level in synchronism with the music reproduction; and

10 said selector operates in response to the selection signal output from the central control unit, selects one of the incidental data signal and the control signal, and supplies a selected signal to the second output unit, the incidental data signal being
15 output from the dedicated unit when the music reproduction is being performed, the control signal being output from the dedicated unit when the notification operation is being performed in response to the incoming call.

20 17. A digital data reproducing method for use in a portable device including a memory for storing the digital data and a dedicated unit for reproducing the digital data, the method comprising:

 receiving the digital data corresponding to music
25 data from the memory in a music reproduction mode;

 causing the dedicated unit to perform music reproduction processing for generating an acoustic

signal from the music data; and

measuring a volume level of the music data and
generating incidental data which indicates the volume
level.

5 18. A method according to claim 17, wherein:

the portable device includes an output unit for
providing vibration in accordance with the incidental
data; and

10 the method further comprises outputting the
incidental data to the output unit and providing
vibration in synchronism with the music reproduction
processing.

19. A method according to claim 17, wherein:

15 the portable device includes an output unit which
provides a display output in accordance with the
incidental data; and

20 the method further comprises outputting the
incidental data to the output unit and providing
the display output in synchronism with the music
reproduction processing.

20. A method according to claim 17, wherein:

25 the portable device includes a central control
unit, and an output unit which provides a vibration
output in accordance with one of the incidental data
and the control signal output from the central control
unit, and

selecting one of the incidental data and the

control data in accordance with an instruction from the central control unit and supplying selected data to the output unit, the incidental data being selected in the music reproduction mode and the control signal being
5 selected in modes other than the music reproduction mode.